

Title (en)

EQUIPMENT FOR INSPECTING CIGARETTE PAPER AND CIGARETTE WINDING MACHINE

Title (de)

GERÄT ZUR INSPEKTION VON ZIGARETTENPAPIER UND ZIGARETTENWICKELMASCHINE

Title (fr)

EQUIPEMENT POUR INSPECTER DU PAPIER A CIGARETTES ET MACHINE A ROULER DES CIGARETTES

Publication

**EP 1576898 A1 20050921 (EN)**

Application

**EP 03780926 A 20031219**

Priority

- JP 0316350 W 20031219
- JP 2002370227 A 20021220

Abstract (en)

[origin: CA2510018A1] Equipment for inspecting a cigarette paper comprising a nozzle disposed in a passage for discharging a cigarette paper continuously while rewinding in order to wet one side of the cigarette paper, an imaging section for irradiating the wetted cigarette paper with light and picking up a light transmitting the paper or reflected off the paper to generate a video signal, and a winding paper inspecting section for judging a defect at a part of the paper coated or pasted with a low fire spreading substance based on the video signal generated at the imaging section, wherein a defect in the coating state or pasting state of the low fire spreading substance on the paper can be inspected surely. The winding paper inspecting equipment can be mounted on a cigarette winding machine.

IPC 1-7

**A24C 5/34**; **A24C 5/18**

IPC 8 full level

**A24C 5/34** (2006.01); **A24C 5/18** (2006.01); **A24D 1/02** (2006.01); **G01N 21/89** (2006.01)

CPC (source: EP US)

**A24D 1/025** (2013.01 - EP US); **G01N 21/89** (2013.01 - EP US); **Y10S 131/905** (2013.01 - EP US); **Y10S 131/907** (2013.01 - EP US)

Cited by

DE202009012142U1; EP2452579A4

Designated contracting state (EPC)

DE GB IT NL

DOCDB simple family (publication)

**EP 1576898 A1 20050921**; **EP 1576898 A4 20110309**; **EP 1576898 B1 20120215**; AU 2003289443 A1 20040714; CA 2510018 A1 20040708; CA 2510018 C 20070904; CN 1301072 C 20070221; CN 1728952 A 20060201; JP 4201767 B2 20081224; JP WO2004056220 A1 20060420; TW 200420236 A 20041016; TW I239817 B 20050921; US 2005229941 A1 20051020; US 8069859 B2 20111206; WO 2004056220 A1 20040708

DOCDB simple family (application)

**EP 03780926 A 20031219**; AU 2003289443 A 20031219; CA 2510018 A 20031219; CN 200380106913 A 20031219; JP 0316350 W 20031219; JP 2004562059 A 20031219; TW 92134980 A 20031211; US 15214205 A 20050615